## IN THE CLAIMS:

- 1. (currently amended) A first-side optical data storage disk comprising:
  - a single substrate having first and second principal surfaces;
  - a first metal/alloy layer overlying the first principal surface of the substrate;
  - a first transparent layer overlying the first metal/alloy layer;
  - a second metal/alloy layer overlying the first transparent layer; and
- a first optical coupling layer overlying the second metal/alloy layer, the first optical coupling layer being adapted to optically couple the second metal/alloy layer to air a laser beam arriving from a far-field source.
- 2. (original) The first-side optical data storage disk of Claim 1 wherein said first principal surface of said substrate comprises premastered data which includes a series of pits and/or bumps, said first metal/alloy layer conforming to the shape of said pits and/or bumps.
- 3. (original) The first-side optical data storage disk of Claim 2 wherein the transmissivity of said second metal/alloy layer at the wavelength of said laser beam is greater than 10%.
- 4. (original) The first-side optical data storage disk of Claim 2 wherein said first metal/alloy layer contains a writeable area.
- 5. (original) The first-side optical data storage disk of Claim 1 wherein said first metal/alloy layer contains a writeable area.
- 6. (original) The first-side optical data storage disk of Claim 5 wherein the transmissivity of said second metal/alloy layer at the wavelength of said laser beam is in the range of 25% to 50%.

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- 7. (original) The first-side optical data storage disk of Claim 5 wherein said second metal/alloy layer contains a writeable area.
- 8. (original) The first-side optical data storage disk of Claim 1 wherein said second metal/alloy layer comprises premastered data which includes a series of pits and/or bumps.
- 9. (original) The first-side optical data storage disk of Claim 1 wherein said second metal/alloy layer contains a writeable area.
- 10. (original) The first-side optical data storage disk of Claim 1 wherein said first metal/alloy layer comprises aluminum.
- 11. (original) The first-side optical data storage disk of Claim 10 wherein said second metal/alloy layer comprises SbInSn.
- 12. (currently amended) The first-side optical data storage disk of Claim 1 comprising: a third metal/alloy layer underlying said second principal surface of said single substrate:
  - a second transparent layer underlying said third metal/alloy layer;
  - a fourth metal/alloy layer underlying said second transparent layer, and
- a second optical coupling layer underlying the fourth metal/alloy layer, the second optical coupling layer being adapted to optically couple the fourth metal/alloy layer to air a laser beam arriving from the far field source.
- 13. (original) The first-side optical data storage disk of Claim 12 wherein said second principal surface of said substrate comprises premastered data which includes a series of pits and/or bumps in said substrate, said third metal/alloy layer conforming to the shape of said pits and/or bumps.

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- 14. (original) The first-side optical data storage disk of Claim 13 wherein said third metal/alloy layer contains a writeable area.
- 15. (original) The first-side optical data storage disk of Claim 12 wherein said second metal/alloy layer comprises premastered data which includes a series of pits and/or bumps.
- 16. (original) The first-side optical data storage disk of Claim 15 wherein said second metal/alloy layer contains a writeable area.
- 17. (original) The first-side optical data storage disk of Claim 13 wherein said second metal/alloy layer contains a writeable area.
- 18. (previously presented) The first-side optical data storage disk of Claim 1 wherein said single substrate comprises polycarbonate.
- 19. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer comprises a photopolymer resin.
- 20. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer comprises a curable polymer.
- 21. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer comprises a UV curable material.
- 22. (original) The first-side optical data storage disk of Claim 1 wherein said substrate has a thickness in the range of 200 to 1000 µm.
- LAW OFFICES OF 23. (original) The first-side optical data storage disk of Claim 22 wherein said substrate HEID U.F MICHELSON DRIVE has a thickness of approximately 500 µm.

- 24. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer has a thickness in the range of 15 to 200  $\mu m$ .
- 25. (original) The first-side optical data storage disk of Claim 24 wherein said first transparent layer has a thickness of approximately 50 µm.
- 26. (original) The first-side optical data storage disk of Claim 1 comprising a protective coating between said first metal/alloy layer and said first transparent layer.
- 27. (cancelled)
- 28. (cancelled)
- 29. (cancelled)
- 30. (original) The first-side optical data storage disk of Claim 1 wherein the reflectivity of said first and second metal/alloy layers at the wavelength of said laser beam is greater than 25%.
- 31. (original) The first-side optical data storage disk of Claim 1 wherein said disk is less than 50 mm in diameter.
- 32. (original) The first-side optical data storage disk of Claim 31 wherein said disk is at or below 32 mm in diameter.
- 33. (original) The first-side optical data storage disk of Claim 1 wherein said first metal/alloy layer is a read-only layer and said second metal/alloy layer comprises a writeable area, said writeable area comprising a code which permits access to a portion of data recorded on the first metal/alloy layer.

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- 34. (original) The first-side optical data storage disk of Claim 33 wherein said coded permits access to a portion of data recorded on the second metal/alloy layer.
- 35. (currently amended) A method of reading data comprising: providing an first-side optical disk including:
  - a single substrate having first and second principal surfaces;
- a first metal/alloy layer overlying the first principal surface of said substrate;
- a first transparent layer overlying the first metal/alloy layer, the first transparent layer having a thickness of greater than 15 microns;
  - a second metal/alloy layer overlying the first transparent layer; and
- a first optical coupling layer overlying the second metal/alloy layer, the first optical coupling layer being adapted to optically couple the second metal/alloy layer to air a laser beam arriving from a far field source;

directing the a laser beam from above the principal surface of the substrate towards the first and second metal/alloy layers such that the laser beam is partially reflected from and partially transmitted through the second metal/alloy layer:

detecting a first portion of the laser beam that is reflected from the first metal/alloy layer; and

detecting a second portion of the laser beam that is reflected from the second metal alloy layer.

Claims 36-58. (cancelled)

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